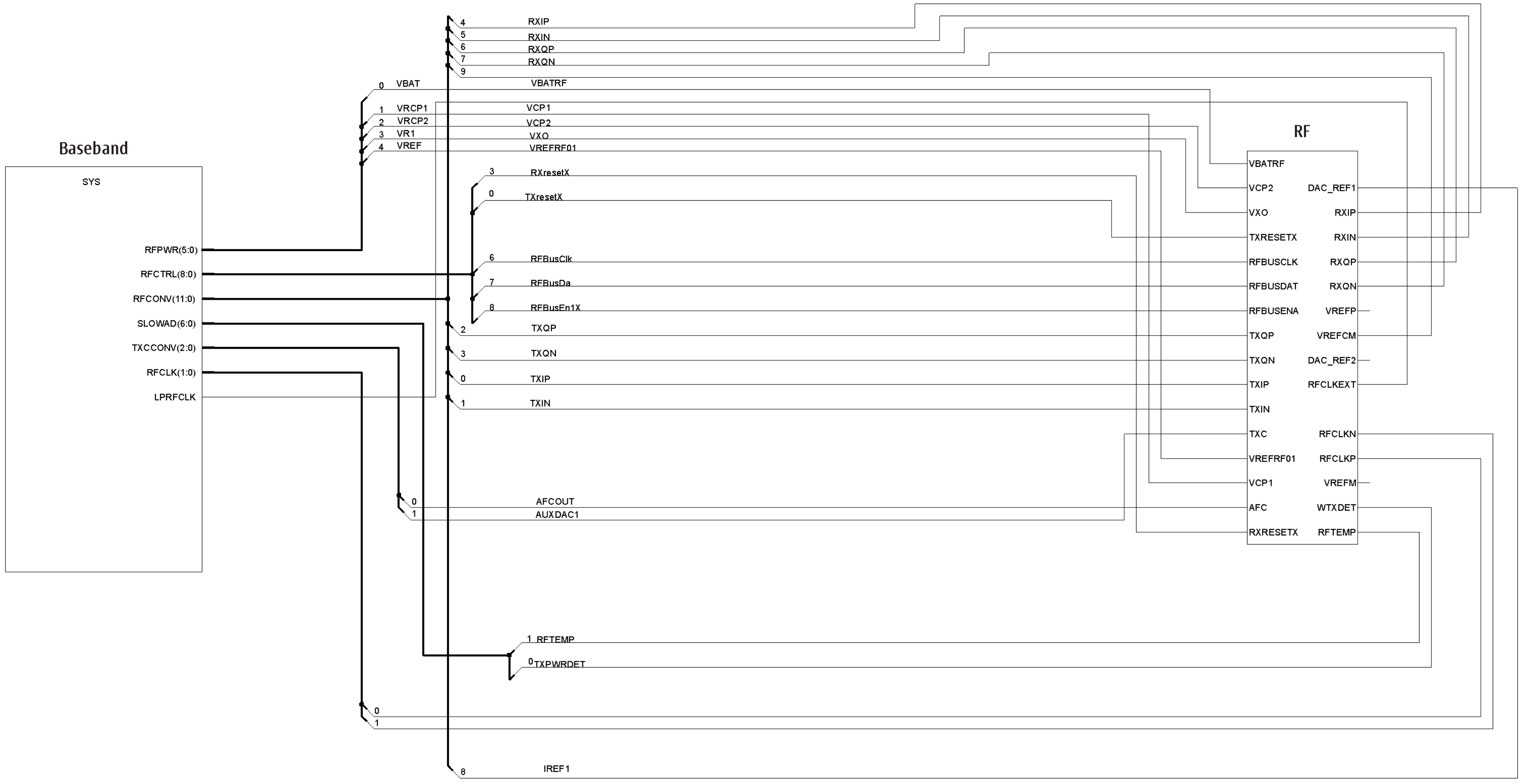
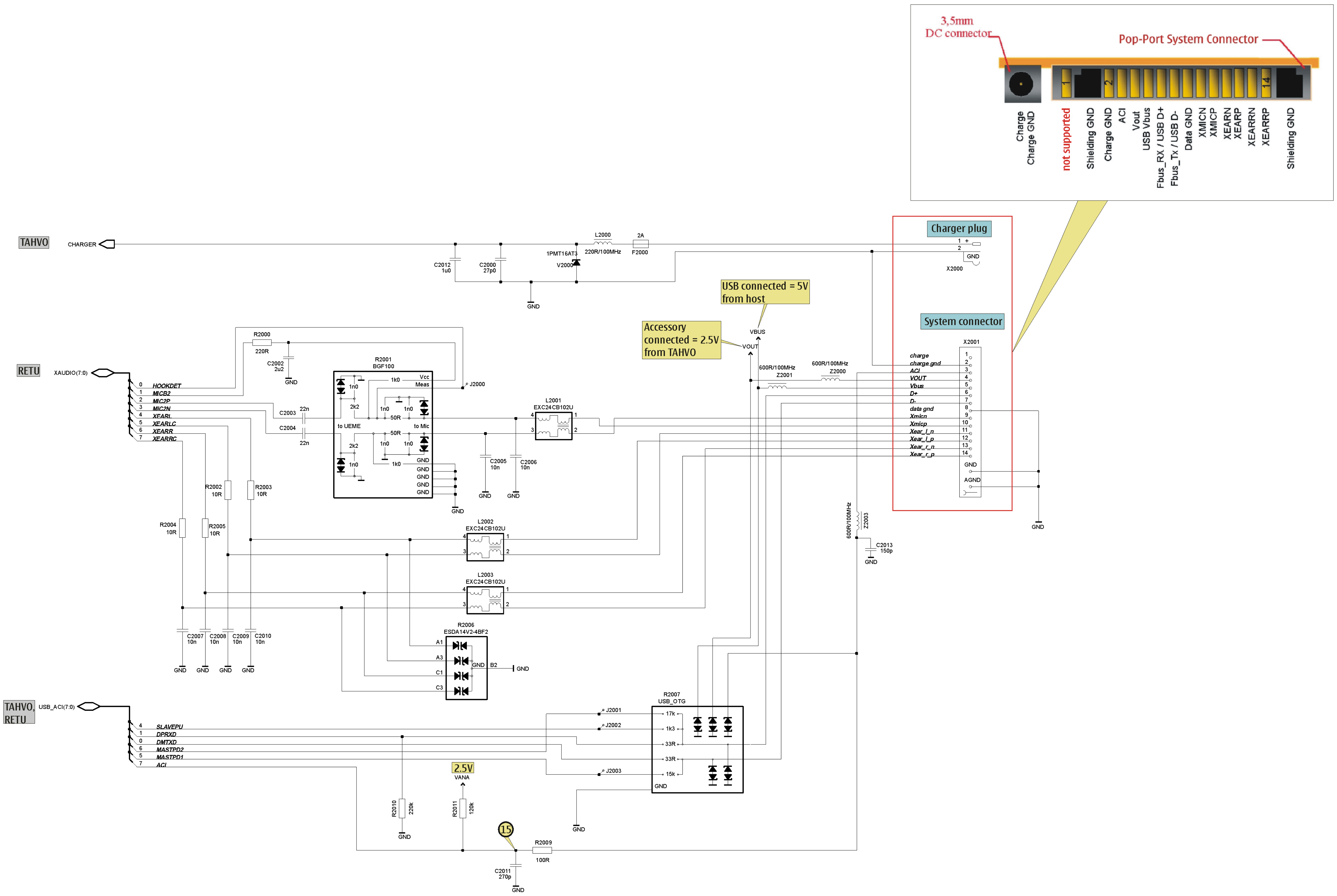
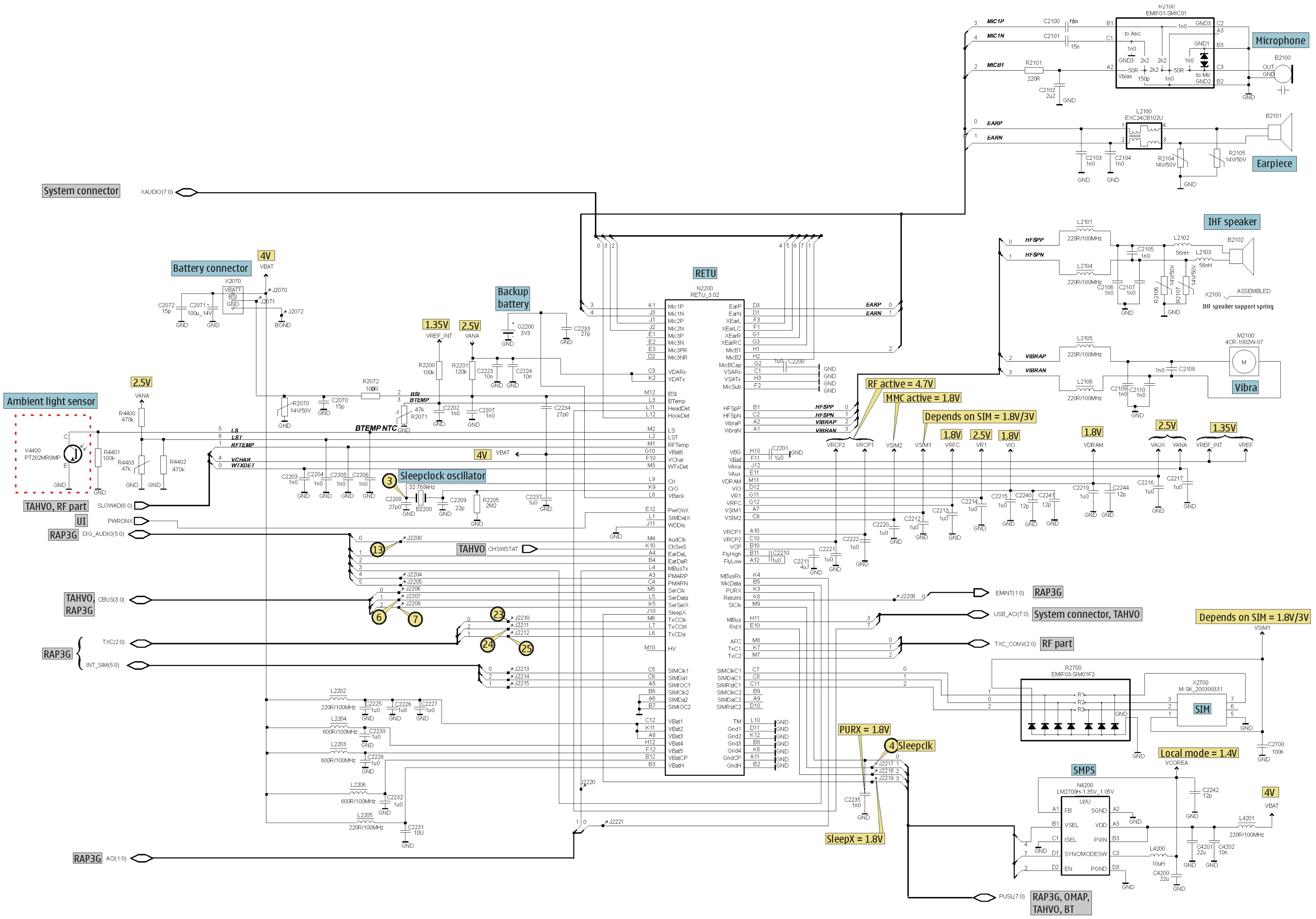
Baseband - RF connections



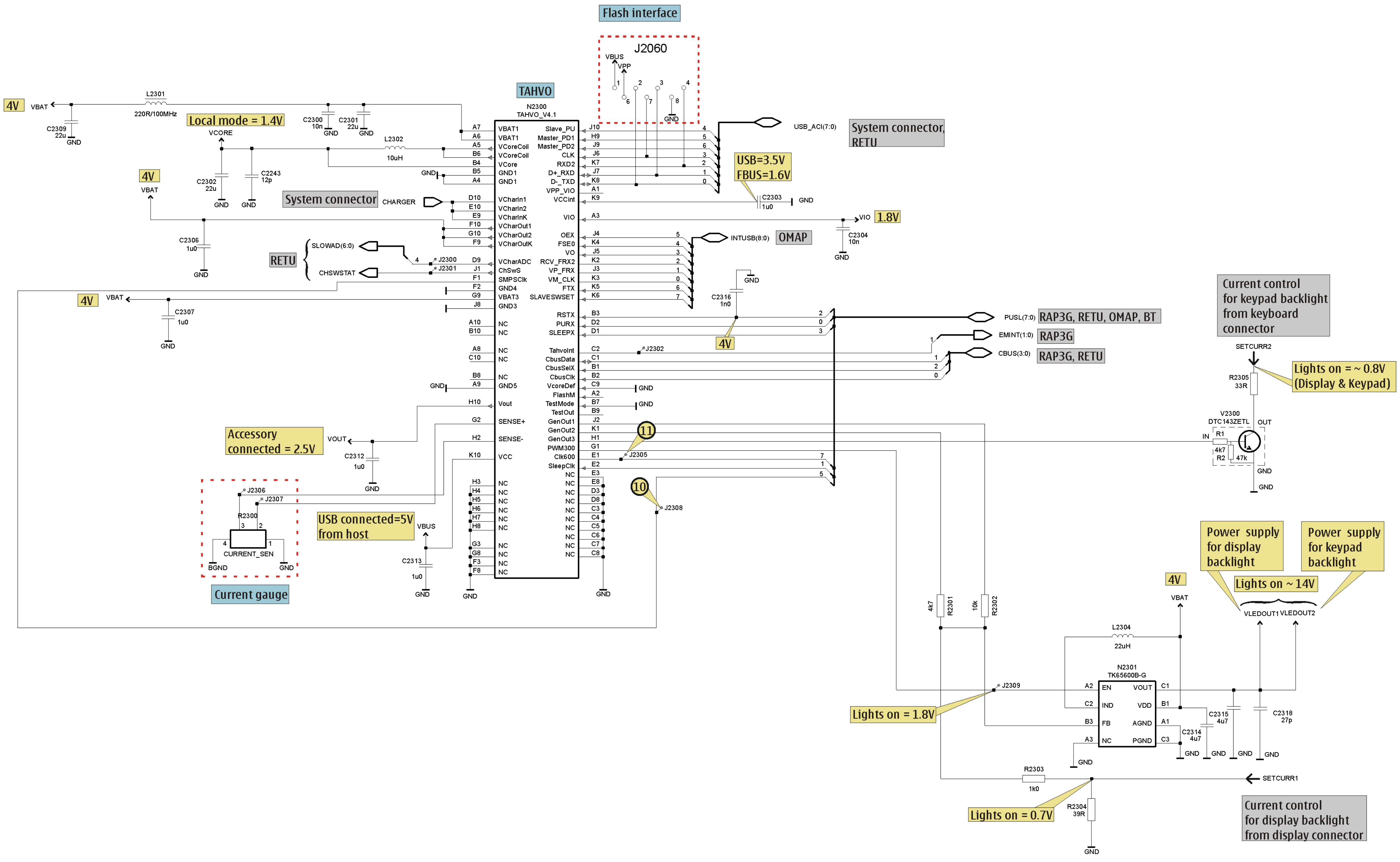
System connector



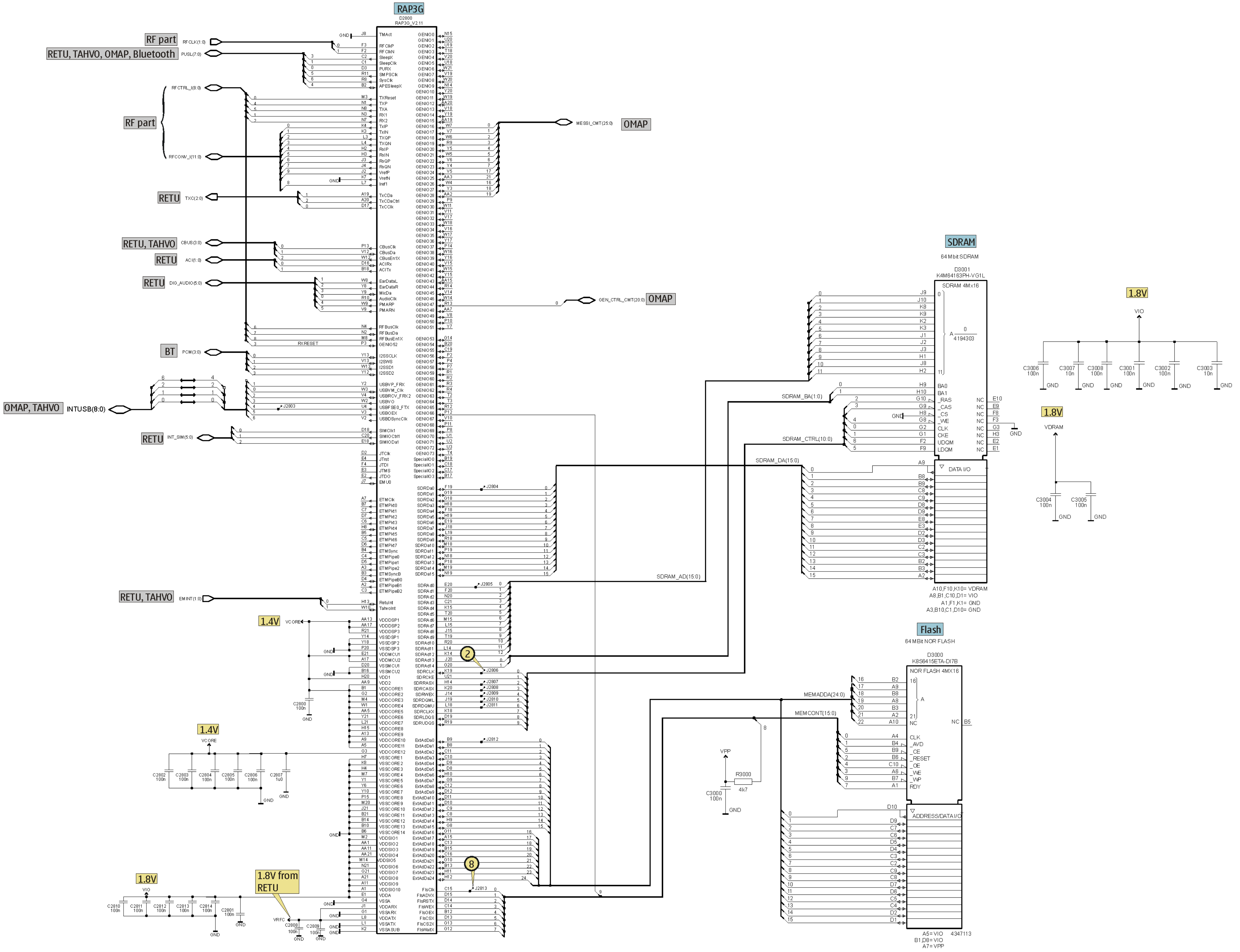
RETU, SIM, audio



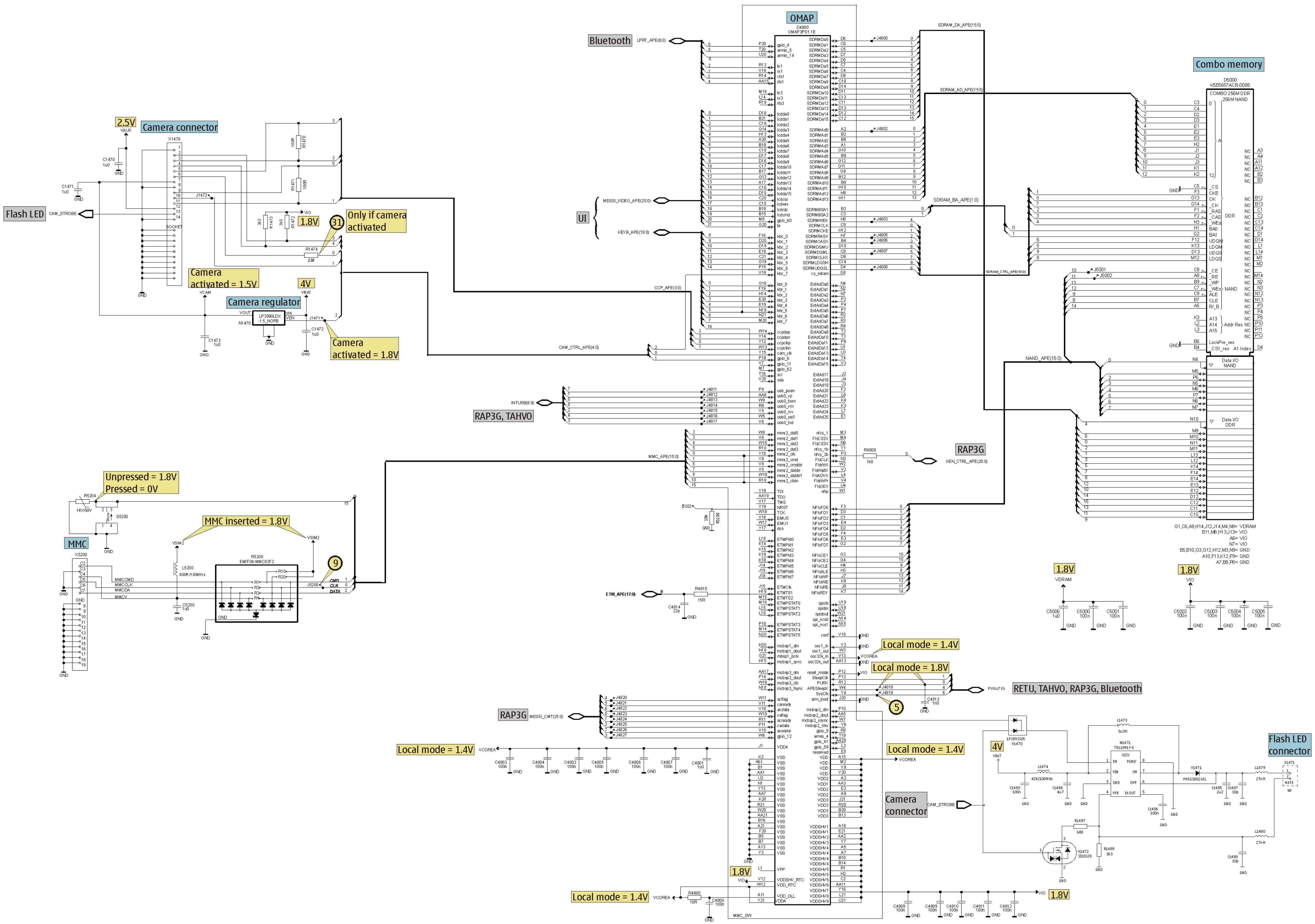
TAHVO


Flash interface
J2060
TAHVO
N2300
TAHVO_V4.1
4V
Local mode = 1.4V
System connector
RETU
System connector, RETU
USB=3.5V
FBUS=1.6V
1.8V
OMAP
4V
Current control for keypad backlight from keyboard connector
RAP3G, RETU, OMAP, BT
RAP3G
RAP3G, RETU
Lights on = ~ 0.8V (Display & Keypad)
Accessory connected = 2.5V
USB connected=5V from host
Current gauge
Power supply for display backlight
Power supply for keypad backlight
Lights on ~ 14V
Lights on = 1.8V
Lights on = 0.7V
Current control for display backlight from display connector
N2301
TK65600B-G

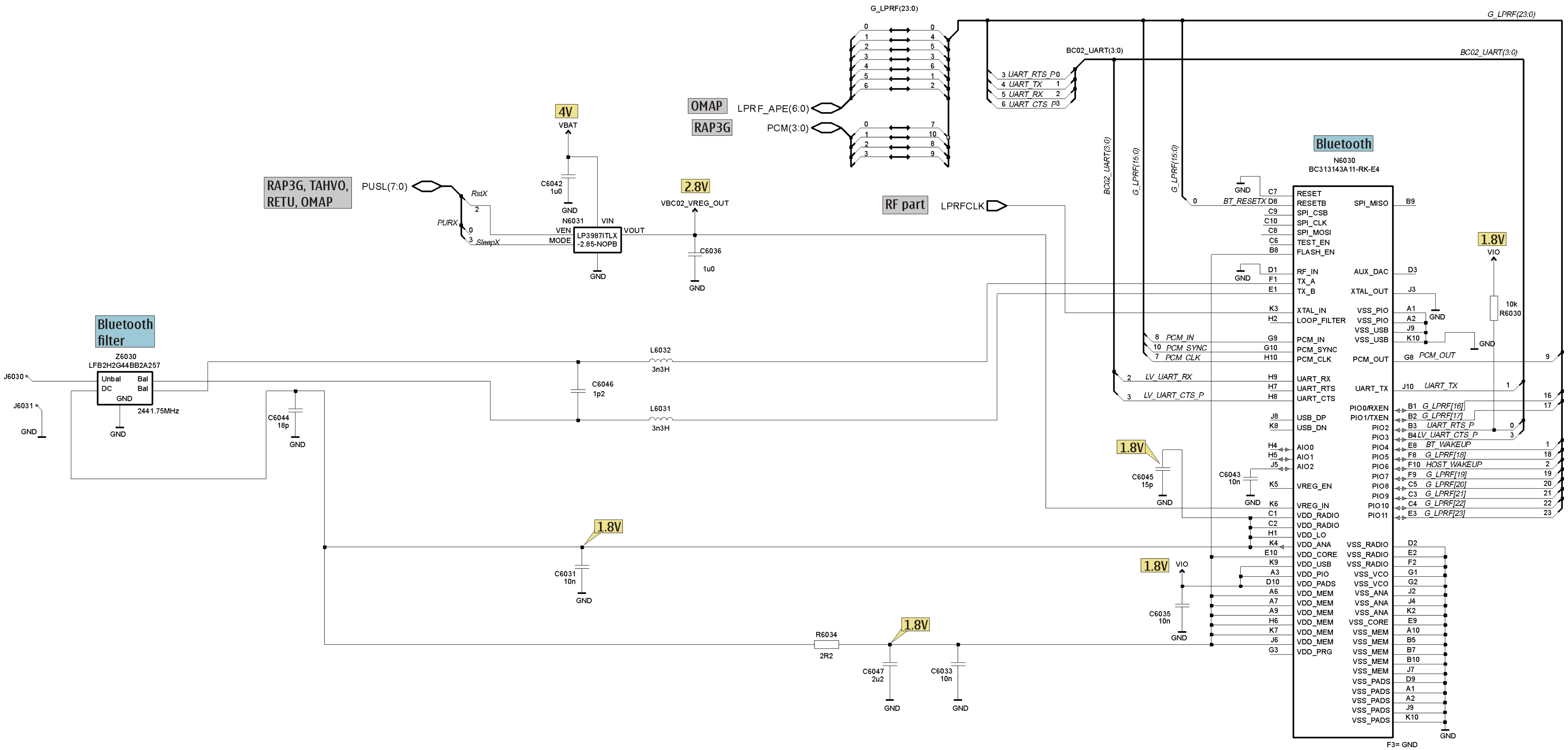
RAP3G, SDRAM, Flash



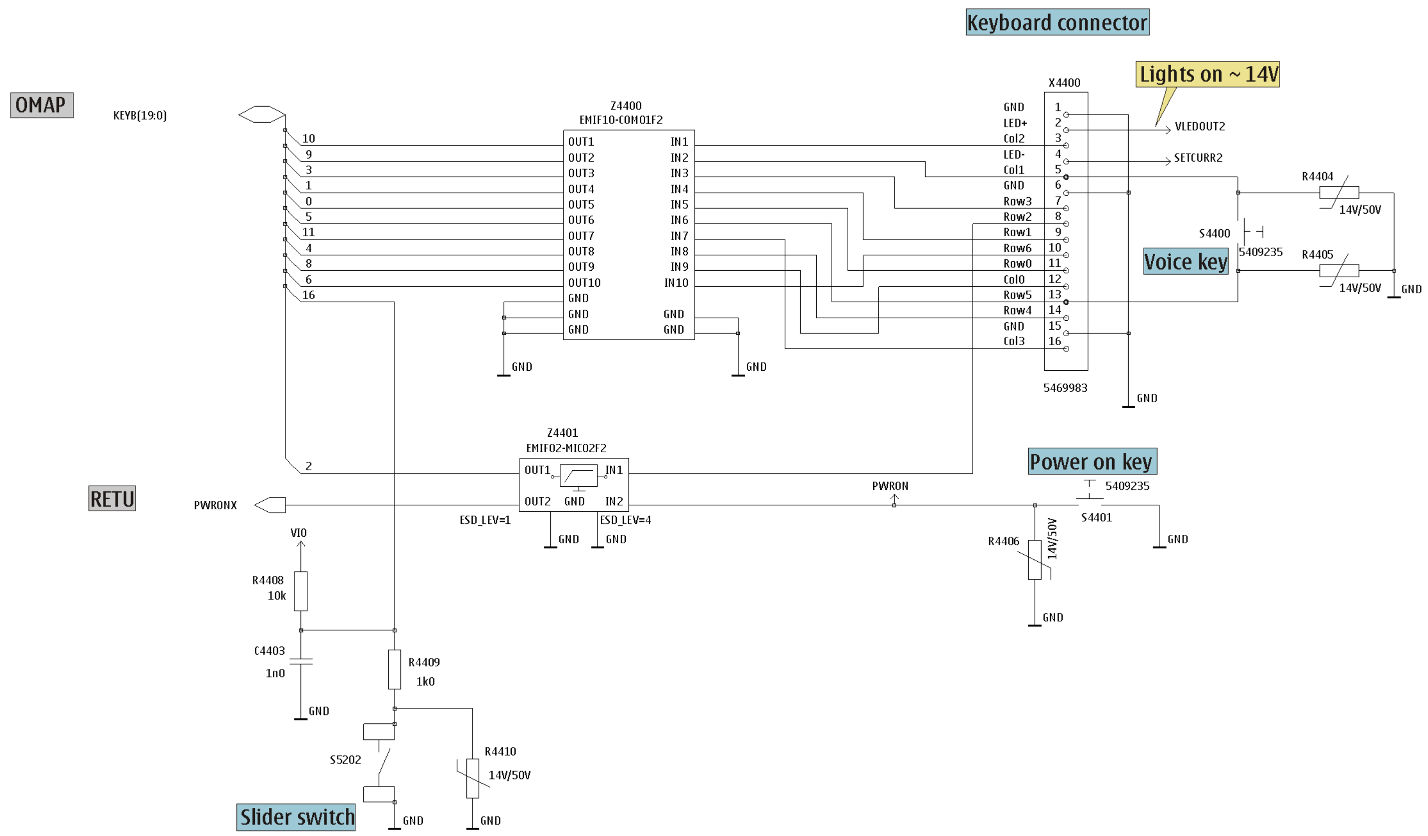
OMAP, combo memory, camera

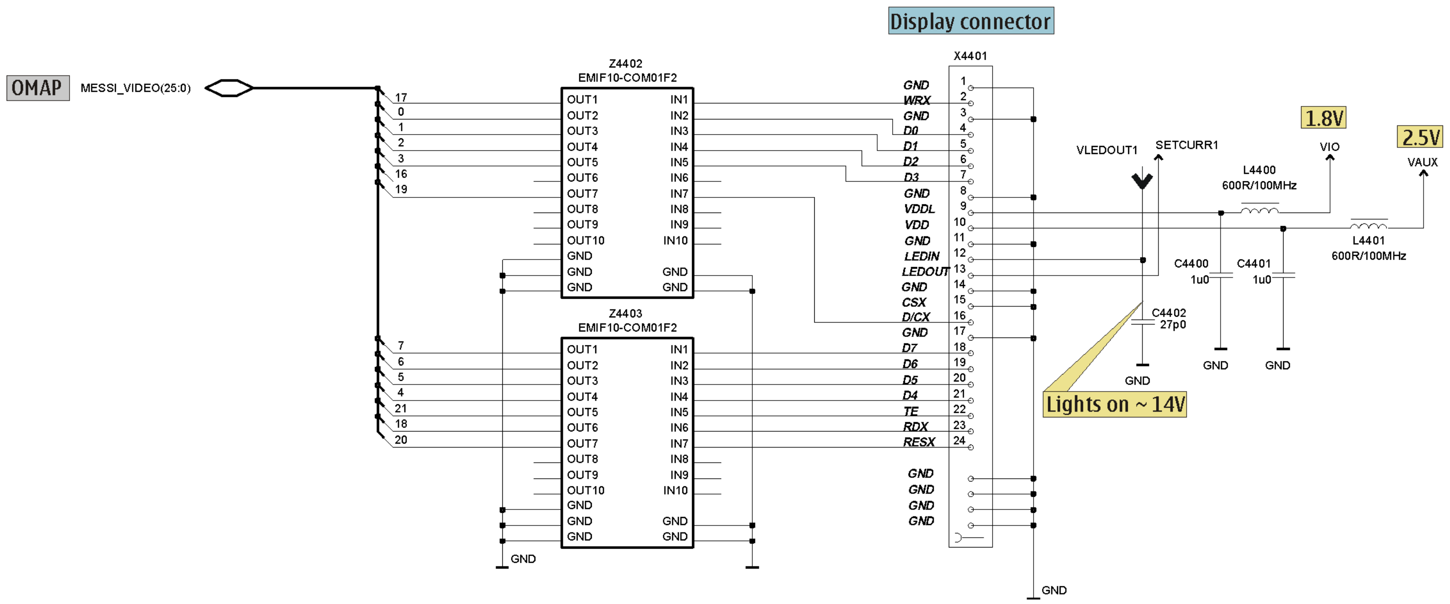


Bluetooth

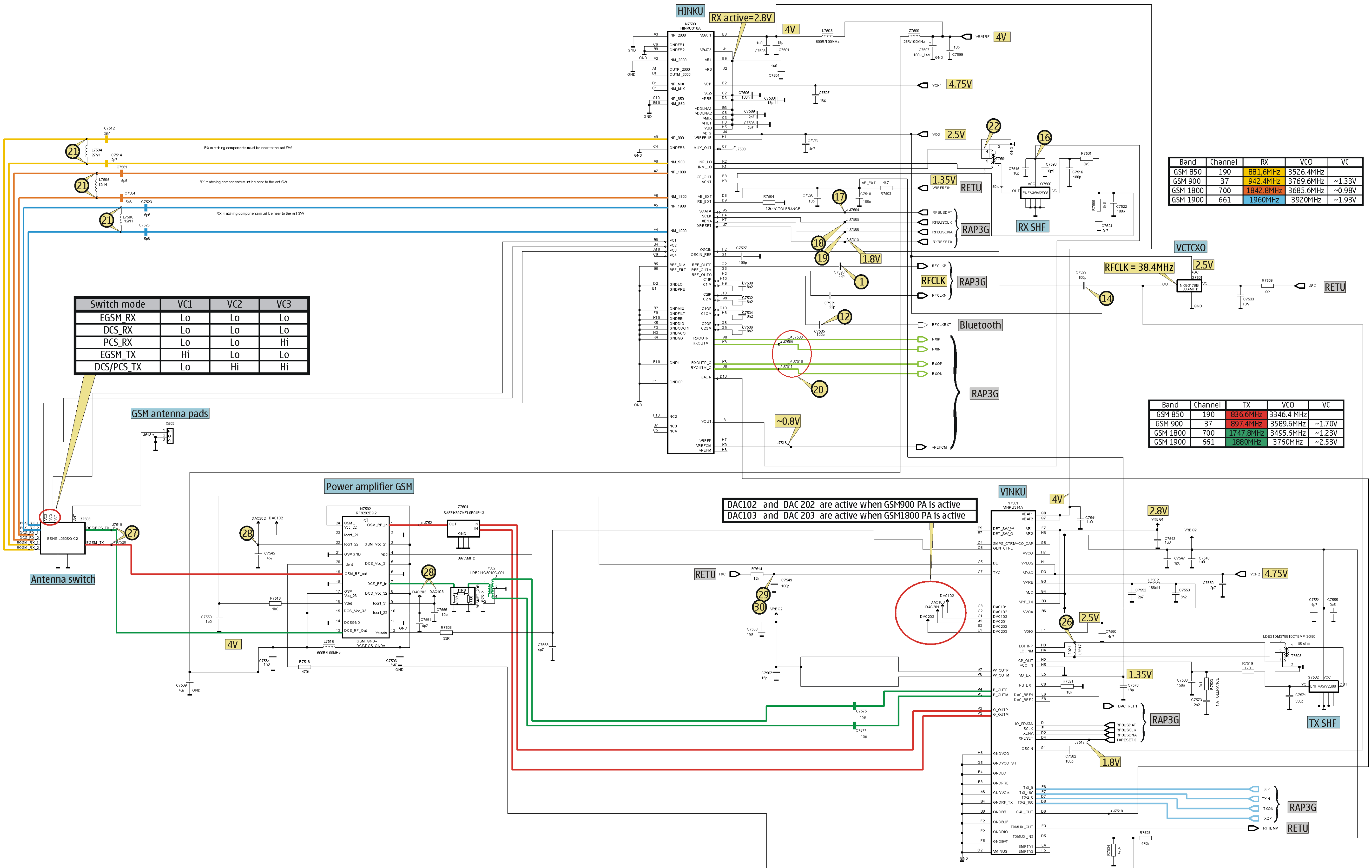

G_LPRF(23:0)
BC02_UART(3:0)
OMAP
RAP3G
LPRF_APE(6:0)
PCM(3:0)
4V
VBAT
C6042
1u0
GND
RAP3G, TAHVO, RETU, OMAP
PUSL(7:0)
RstX
PURX
SleepX
N6031
LP3987ITLX-2.85-NOPB
VIN
VEN
MODE
VOUT
2.8V
VBC02_VREG_OUT
C6036
1u0
RF part
LPRFCLK
Bluetooth
N6030
BC313143A11-RK-E4
Bluetooth filter
Z6030
LFB2H2G44BB2A257
2441.75MHz
J6030
J6031
C6044
18p
L6032
3n3H
L6031
3n3H
C6046
1p2
1.8V
C6031
10n
R6034
2R2
C6047
2u2
C6033
10n
C6045
15p
C6043
10n
C6035
10n
VIO
10k
R6030
RESET
RESETB
SPI_CSB
SPI_CLK
SPI_MOSI
TEST_EN
FLASH_EN
RF_IN
TX_A
TX_B
XTAL_IN
LOOP_FILTER
PCM_IN
PCM_SYNC
PCM_CLK
UART_RX
UART_RTS
UART_CTS
USB_DP
USB_DN
AIO0
AIO1
AIO2
VREG_EN
VREG_IN
VDD_RADIO
VDD_LO
VDD_ANA
VDD_CORE
VDD_USB
VDD_PIO
VDD_PADS
VDD_MEM
VDD_PRG
SPI_MISO
AUX_DAC
XTAL_OUT
VSS_PIO
VSS_USB
PCM_OUT
UART_TX
PIO0/RXEN
PIO1/TXEN
PIO2
PIO3
PIO4
PIO5
PIO6
PIO7
PIO8
PIO9
PIO10
PIO11
VSS_RADIO
VSS_VCO
VSS_ANA
VSS_CORE
VSS_MEM
VSS_PADS
F3= GND
BT_RESETX
PCM_IN
PCM_SYNC
PCM_CLK
LV_UART_RX
LV_UART_CTS_P
PCM_OUT
UART_TX
UART_RTS_P
LV_UART_CTS_P
BT_WAKEUP
HOST_WAKEUP
UART_RTS_P0
UART_TX
UART_RX
UART_CTS_P

B to B connections





RF part



Switch mode	VC1	VC2	VC3
EGSM_RX	Lo	Lo	Lo
DCS_RX	Lo	Lo	Lo
PCS_RX	Lo	Lo	Hi
EGSM_TX	Hi	Lo	Lo
DCS/PCS_TX	Lo	Hi	Hi

Band	Channel	RX	VCO	VC
GSM 850	190	881,6MHz	3526.4MHz	
GSM 900	37	942.4MHz	3769.6MHz	~1.33V
GSM 1800	700	1842.8MHz	3685.6MHz	~0.98V
GSM 1900	661	1960MHz	3920MHz	~1.93V

Band	Channel	TX	VCO	VC
GSM 850	190	836.6MHz	3346.4 MHz	
GSM 900	37	897.4MHz	3589.6MHz	~1.70V
GSM 1800	700	1747.8MHz	3495.6MHz	~1.23V
GSM 1900	661	1880MHz	3760MHz	~2.53V

Component finder

B		C2230	E5	C4809	H7	C7561	Q4	J2306	A7	J5106	D6	N2200	C5	R5204	O3
B2200	C4	C2231	B6	C4810	G9	C7563	Q4	J2307	A7	J5107	E6	N2300	D8	R6030	D4
C		C2232	D6	C4811	F6	C7564	R3	J2308	D8	J5108	H6	N2301	B7	R6034	D2
C1470	R6	C2233	C3	C4812	E7	C7567	J6	J2309	B7	J5109	H7	N4200	D7	R7501	K6
C1471	O6	C2234	D4	C4813	F6	C7568	I7	J2802	F6	J5110	H6	N6030	C3	R7503	I6
C1472	H4	C2235	C3	C4814	H8	C7569	R4	J2803	D4	J5200	H6	N6031	C2	R7504	M7
C1473	H4	C2237	D5	C5000	E11	C7570	I6	J2804	E3	J6030	E1	N7500	M6	R7505	L6
C1483	C10	C2240	E10	C5001	E9	C7571	L10	J2805	E2	J6031	E1	N7501	J7	R7506	Q4
C1484	K8	C2241	D4	C5002	H10	C7573	I7	J2806	E4	J6034	C4	N7502	Q3	R7509	K7
C1485	K8	C2242	E6	C5003	F9	C7575	I6	J2807	E2	J7503	N7	R		R7512	P4
C1486	K8	C2243	F6	C5004	E9	C7577	I6	J2808	E2	J7504	I5	R1470	H6	R7514	K6
C1487	K11	C2244	E10	C5005	E9	C7581	S4	J2809	E2	J7505	I5	R1471	H6	R7516	R3
C1488	K10	C2300	C9	C5006	D10	C7582	I7	J2810	E3	J7506	I5	R1472	H8	R7518	Q2
C2000	C9	C2301	C9	C5200	H3	C7584	S4	J2811	E4	J7508	M7	R1473	H8	R7519	J7
C2002	D5	C2302	B7	C6031	D2	C7593	Q4	J2812	G3	J7509	L7	R1474	G6	R7521	J6
C2003	B5	C2303	E8	C6033	C4	C7596	N6	J2813	F3	J7510	L6	R1487	J9	R7523	I7
C2004	B4	C2304	C8	C6035	D4	C7597	O4	J3100	G3	J7511	M7	R1489	K8	R7528	J7
C2005	B5	C2306	D9	C6036	C3	C7598	K7	J3101	H3	J7515	H5	R2000	C5	R7534	R2
C2006	B5	C2307	D9	C6042	C3	C7599	O3	J3102	H3	J7516	L7	R2001	B5	S	
C2007	B4	C2309	B9	C6043	C2	D		J3103	H3	J7517	I5	R2002	B5	S4400	R11
C2008	D4	C2312	E9	C6044	E3	D2800	G4	J3104	G3	J7518	M7	R2003	A5	S4401	R2
C2009	D4	C2313	E9	C6045	D4	D3000	G3	J3105	G3	J7519	R3	R2004	B4	S5200	O2
C2010	A4	C2314	B9	C6046	D3	D3001	D2	J3106	H3	J7520	S3	R2005	B5	S5202	K11
C2011	C6	C2315	B7	C6047	C2	D4800	F7	J3107	D6	J7521	P2	R2006	B4	T	
C2012	C10	C2316	C8	C7501	N7	D5000	F10	J3108	D6	L		R2007	B6	T7501	L6
C2070	B7	C2318	A8	C7503	M7	F		J3109	D6	L1473	I9	R2009	C6	T7502	P3
C2071	C9	C2700	G11	C7504	M7	F2000	C10	J3110	H6	L1474	C10	R2010	D8	T7503	M8
C2072	C9	C2800	E5	C7505	L7	G		J3111	D5	L1479	L11	R2011	C6	V	
C2100	B5	C2801	H4	C7507	M6	G2200	C2	J3112	D5	L1480	L11	R2012	D5	V1470	D10
C2101	B5	C2802	F3	C7508	M6	G7500	K6	J3113	D5	L2000	C10	R2013	D4	V1471	K9
C2102	B5	C2803	E5	C7509	M6	G7501	L7	J3114	D5	L2001	B6	R2014	D4	V1472	J9
C2103	B4	C2804	E3	C7512	S4	G7502	M9	J3115	H5	L2002	B4	R2070	B7	V2000	C10
C2104	B4	C2805	G6	C7513	L6	J		J3116	H5	L2003	B4	R2071	C2	V2001	D4
C2105	B6	C2806	H4	C7514	S4	J1471	H3	J3117	H6	L2100	T7	R2072	B7	V2300	D8
C2106	B6	C2807	H4	C7515	K7	J1472	O8	J3118	H5	L2101	B6	R2100	B5	V4400	U10
C2107	B4	C2808	H5	C7516	K6	J1474	H8	J4800	F9	L2102	S5	R2101	B5	X	
C2108	B7	C2809	E4	C7518	N7	J1502	T7	J4802	E9	L2103	S6	R2102	B4	X1470	P6
C2109	B7	C2810	G6	C7520	N7	J2000	A5	J4803	F11	L2104	B6	R2103	B4	X2001	A6
C2110	B7	C2811	H5	C7522	L6	J2001	D9	J4805	F11	L2105	B6	R2104	S7	X2060	N11
C2200	B5	C2812	E5	C7523	R4	J2002	D9	J4806	F11	L2106	B6	R2105	S7	X2070	C8
C2201	D4	C2813	E4	C7524	K5	J2003	D9	J4807	F9	L2202	E4	R2106	S5	X2700	F8
C2202	C4	C2814	F3	C7525	R4	J2060	D5	J4808	E9	L2203	E5	R2107	S5	X4400	F2
C2203	C4	C3000	F4	C7527	M6	J2070	D8	J4811	D9	L2204	E5	R2200	B4	X4401	T9
C2204	C4	C3001	G4	C7528	M6	J2071	D8	J4812	E8	L2205	C6	R2201	D4	X4402	P11
C2205	C4	C3002	F2	C7529	L7	J2072	D7	J4813	D6	L2206	E5	R2205	D4	X4403	P2
C2206	C4	C3003	G2	C7530	L7	J2200	C4	J4814	D7	L2207	E11	R2301	B7	X4404	R4
C2207	D4	C3004	C2	C7531	M6	J2204	D5	J4815	D8	L2301	B8	R2302	B7	X4405	J4
C2208	D4	C3005	E3	C7532	L7	J2205	E5	J4816	E7	L2302	C8	R2303	B7	X5200	L3
C2209	D4	C3006	D4	C7533	K7	J2206	C4	J4817	D9	L2304	B8	R2304	A7	Z	
C2210	D6	C3007	C3	C7534	M7	J2207	C8	J4818	E7	L4200	C7	R2305	E8	Z2000	B7
C2211	C7	C3008	D4	C7535	L6	J2208	C4	J4819	E5	L4201	E7	R2700	D10	Z2001	B7
C2212	C6	C4200	D7	C7536	M7	J2209	C8	J4820	G6	L4400	S7	R3000	G2	Z2003	B7
C2213	E4	C4201	E7	C7541	K7	J2210	C4	J4821	G6	L4401	T7	R4400	B4	Z4400	H3
C2214	D5	C4202	D7	C7543	K7	J2211	E3	J4822	G6	L5200	I2	R4401	C4	Z4401	G2
C2215	D5	C4400	U2	C7545	Q2	J2212	E3	J4823	G6	L6031	D2	R4402	B4	Z4402	H9
C2216	D5	C4401	T8	C7547	J7	J2213	C6	J4824	G6	L6032	D2	R4403	U10	Z4403	H10
C2217	E4	C4402	S2	C7548	J7	J2214	C6	J4825	G6	L6034	F2	R4404	Q10	Z6030	E3
C2219	D4	C4403	K10	C7549	K6	J2215	C6	J4826	G6	L7502	I7	R4405	Q10	Z7500	P4
C2220	D6	C4800	F9	C7550	I7	J2217	H7	J4827	F6	L7503	K7	R4406	Q2	Z7503	S3
C2221	D6	C4801	E7	C7552	I7	J2218	C8	J5001	E8	L7504	S4	R4408	K10	Z7504	P3
C2222	D6	C4802	E8	C7553	I7	J2219	D8	J5002	H10	L7505	S4	R4409	K11		
C2223	B4	C4803	F6	C7554	M10	J2220	F3	J5100	H6	L7506	R4	R4410	K11		
C2224	E5	C4804	G9	C7555	M10	J2221	C4	J5101	H7	L7516	P4	R4800	G9		
C2225	D4	C4805	H7	C7556	Q4	J2300	C9	J5102	H6	L7517	J7	R4809	E6		
C2226	C6	C4806	H6	C7558	J6	J2301	D8	J5103	H6	N		R4810	H8		
C2227	D6	C4807	E8	C7559	R2	J2302	C6	J5104	E6	N1470	H3	R5100	H5		
C2228	E5	C4808	E8	C7560	I7	J2305	D8	J5105	H7	N1471	K8	R5200	H2		

